

## LOWER COLORADO RIVER BASIN-LAKE MEAD, LAS VEGAS WASH

09419665 SLOAN CHANNEL AT CHARLESTON BOULEVARD NEAR LAS VEGAS, NV

LOCATION.--Lat 36°09'35", long 115°02'40" referenced to North American Datum of 1927, in SE  $\frac{1}{4}$  SE  $\frac{1}{4}$  sec. 33, T.20 S., R.62 E., Clark County, Hydrologic Unit 15010015, on upstream side of box culvert on Charleston Boulevard, and 1.0 mi east of Nellis Boulevard.

DRAINAGE AREA.--144 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.04 inch increment. Elevation of gage is 1,730 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair above 10 ft<sup>3</sup>/s, and poor below. Prior to May 24, 2001 flows below 50 ft<sup>3</sup>/s not recorded by gage. After May 24, 2001 all flows recorded by gage. Estimated daily discharges during periods of base flow are only an indication of some small amount of flow at site. [See schematic diagram of Lower Colorado River Basins](#).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,860 ft<sup>3</sup>/s, September 9, 2004, gage height, 11.68 ft; no flow at times, most years. Maximum daily precipitation, 1.72 in, February 8, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,860 ft<sup>3</sup>/s, September 9, gage height, 11.68 ft; minimum daily discharge, 0.02 ft<sup>3</sup>/s, December 8, 9. Maximum daily precipitation, 0.84 in, April 2.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.15	1.8	0.11	0.12	0.06	0.06	14	0.22	0.20	0.34	0.25	0.33
2	0.14	0.67	0.19	0.07	0.06	1.7	55	0.21	0.21	0.33	0.25	0.42
3	0.12	1.9	0.16	0.06	0.84	0.04	19	0.24	0.20	0.37	0.26	0.33
4	0.12	1.7	0.15	0.06	0.07	0.04	0.21	0.27	0.19	0.39	0.29	0.39
5	0.12	1.2	0.11	0.06	0.05	0.05	0.18	0.23	0.20	0.42	0.29	0.36
6	0.12	0.54	0.11	0.07	0.06	0.05	0.17	0.21	0.20	0.42	0.30	0.35
7	0.12	0.51	0.05	0.08	0.06	0.04	0.14	0.18	0.22	0.45	0.28	0.32
8	0.11	0.46	0.02	0.07	0.06	0.04	0.20	0.20	0.23	0.39	0.30	0.46
9	0.12	0.64	0.02	0.13	0.07	0.04	0.10	0.21	0.32	0.39	0.30	60
10	0.11	0.49	0.04	0.21	0.11	0.04	0.12	0.25	0.34	0.48	0.31	0.20
11	0.12	0.47	8.1	0.20	0.10	0.03	0.17	0.24	0.30	0.44	0.33	0.16
12	0.12	15	0.22	0.20	0.09	0.04	0.18	0.18	0.31	0.34	1.2	0.17
13	0.11	0.49	0.13	0.62	0.11	0.05	0.18	0.17	0.33	0.34	6.9	0.17
14	0.12	0.14	3.6	0.06	0.11	0.04	0.19	0.17	0.39	0.34	0.14	0.18
15	0.25	0.14	0.09	0.06	0.11	0.04	0.20	0.15	0.28	0.32	0.14	0.19
16	0.39	0.32	0.16	0.05	0.11	0.05	0.20	0.16	0.20	0.20	0.14	0.23
17	0.38	0.16	0.16	0.10	0.11	0.05	0.24	0.19	0.62	0.78	0.15	0.23
18	0.41	0.17	0.17	0.08	0.12	0.05	0.23	0.63	0.16	0.08	0.18	0.27
19	0.39	0.15	0.18	0.09	0.11	0.06	0.23	0.11	0.20	0.12	0.22	0.36
20	0.31	0.16	0.18	0.10	0.29	0.12	0.19	0.12	0.21	0.16	0.58	0.43
21	0.26	0.17	0.16	0.09	1.3	0.11	0.17	0.15	0.25	0.20	0.15	0.43
22	0.19	0.18	0.18	0.10	45	0.12	0.23	0.15	0.28	0.20	0.24	0.38
23	0.14	0.17	0.17	0.11	58	0.16	0.25	0.15	0.30	0.20	0.26	0.39
24	0.11	0.16	0.12	0.10	0.09	0.18	0.27	0.15	0.33	0.21	0.21	0.41
25	0.15	0.17	15	0.12	0.07	0.21	0.26	0.14	0.32	0.21	0.26	0.43
26	0.18	0.17	11	0.12	18	0.28	0.26	0.15	0.26	0.21	0.32	0.48
27	0.15	0.20	0.06	0.11	0.09	0.24	0.29	0.19	0.29	0.26	0.27	0.52
28	0.14	0.13	0.05	0.11	0.06	1.5	0.33	0.20	0.29	0.21	0.32	0.56
29	0.66	0.11	0.06	0.13	0.06	2.1	0.26	0.17	0.33	0.24	0.32	0.56
30	1.7	0.10	3.7	0.11	---	1.3	0.22	0.21	0.35	0.28	0.32	0.62
31	1.6	---	0.04	0.28	---	1.2	---	0.18	---	0.24	0.32	---
TOTAL	9.11	28.67	44.49	3.87	125.37	10.03	93.67	6.18	8.31	9.56	15.80	70.33
MEAN	0.29	0.96	1.44	0.12	4.32	0.32	3.12	0.20	0.28	0.31	0.51	2.34
MAX	1.7	15	15	0.62	58	2.1	55	0.63	0.62	0.78	6.9	60
MIN	0.11	0.10	0.02	0.05	0.05	0.03	0.10	0.11	0.16	0.08	0.14	0.16
AC-FT	18	57	88	7.7	249	20	186	12	16	19	31	139
†	0.00	0.64	0.76	0.04	1.56	0.04	1.28	0.00	0.00	0.08	0.00	0.16

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	0.29	0.22	0.18	0.25	1.72	0.33	0.28	0.09	0.25	0.52	0.51	0.68
MAX	2.39	1.15	1.44	1.97	5.31	2.73	3.12	0.42	1.43	2.43	2.58	7.59
(WY)	(1993)	(1992)	(2004)	(1992)	(2003)	(1992)	(2004)	(2003)	(1990)	(1998)	(1997)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1989)	(1989)	(1989)	(1990)	(1989)	(1988)	(1988)	(1988)	(1988)	(1988)	(1990)	(1988)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	393.90		425.39		0.45	
ANNUAL MEAN	1.08		1.16		1.46	1998
HIGHEST ANNUAL MEAN					0.00	1996
LOWEST ANNUAL MEAN						
HIGHEST DAILY MEAN	58	Feb 28	60	Sep 9	208	Sep 11, 1998
LOWEST DAILY MEAN	0.02	Dec 8	0.02	Dec 8	0.00	Mar 1, 1988
ANNUAL SEVEN-DAY MINIMUM	0.05	Jul 22	0.04	Mar 6	0.00	Mar 1, 1988
MAXIMUM PEAK FLOW			1,860	Sep 9	1,860	Sep 9, 2004
MAXIMUM PEAK STAGE			11.68	Sep 9	11.72	Aug 9, 1997
ANNUAL RUNOFF (AC-FT)	781		844		324	
10 PERCENT EXCEEDS	1.0		0.59		0.29	
50 PERCENT EXCEEDS	0.25		0.20		0.00	
90 PERCENT EXCEEDS	0.05		0.06		0.00	

† Precipitation total, in inches.